

## JOYTUTUS Mid Size Truck

# JOYTUTUS Truck Bed Bike Rack for Mid Size Pickup Instruction Manual

BRAND: JOYTUTUS | MODEL: MID SIZE TRUCK

## 1. Introduction

This manual provides detailed instructions for the assembly, installation, and safe operation of your JOYTUTUS Truck Bed Bike Rack for Mid Size Pickup. Designed for convenience and security, this rack allows you to transport your bicycles without removing tires, ensuring stability and protection during transit.

### Key Features:

- **Anti-Wobble & Anti-Rollover System:** Utilizes a tire lock clamp, tire-fixed bracket, and Velcro straps for enhanced stability.
- **Easy Installation:** No drilling required, simple to install and remove.
- **Durable Construction:** Made from rust-resistant painted metal for longevity.
- **Space-Saving Design:** Stowable tire mount bracket to maximize bed space when not in use.
- **Wide Compatibility:** Fits various mid-size pickup trucks and bike tire sizes.

## 2. Package Contents

Please ensure all parts are present before beginning assembly. Refer to the diagram below for identification.



## ***FIT VARIOUS TIRE***

Suitable for tires with a diameter of 21.65"-31.5" and tire width of 0.98"-3.94"

**Not Fit for e-bike fat tire**



Figure 1: All components included in the JOYTUTUS Truck Bed Bike Rack package.

### **Components List:**

1. Main Frame Sections (Left & Right)
2. Crossbar Sections
3. Tire Lock Clamps
4. Tire Fixed Brackets
5. Adjustable Foot Cups
6. Mounting Brackets (for truck bed rails)
7. Velcro Straps

8. Hardware (bolts, nuts, washers, Allen key)

### 3. Setup and Installation

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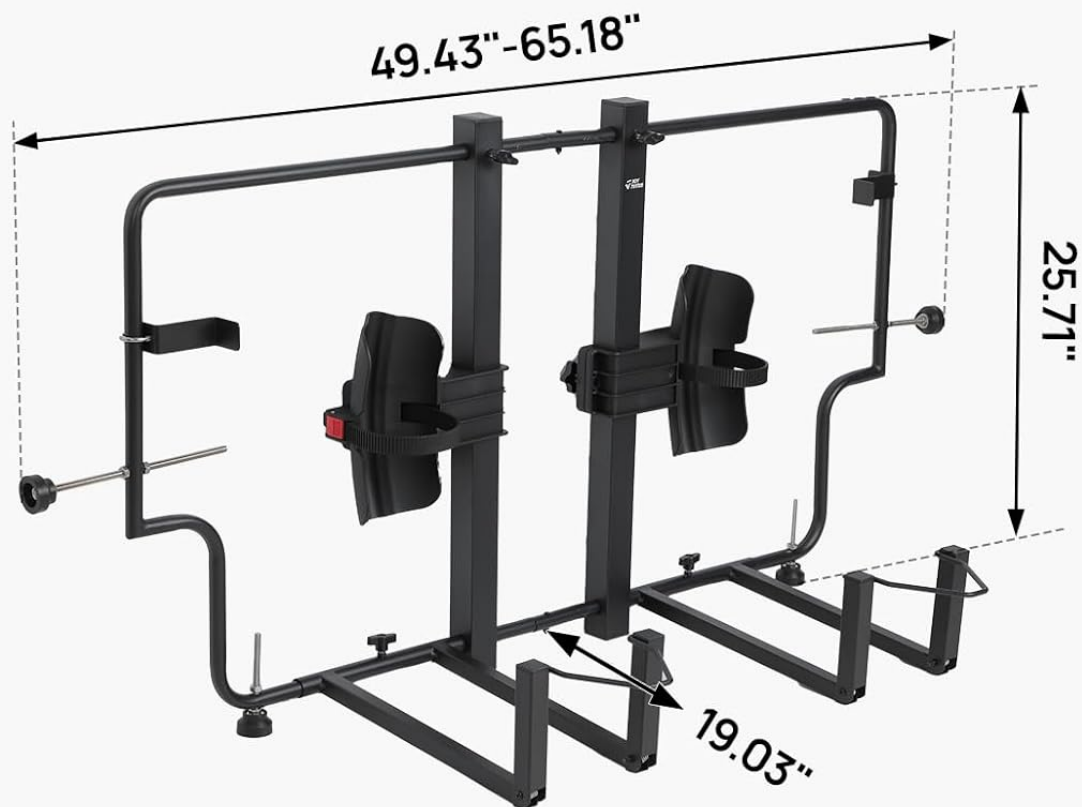
Follow these steps to assemble and install your bike rack securely in your truck bed.

Video 1: Detailed installation guide for the JOYTUTUS Truck Bed Bike Rack.

1. **Assemble the Base Frame:** Connect the main frame sections and crossbar sections using the provided hardware. Ensure all connections are tight.
2. **Attach Tire Lock Clamps:** Slide the tire lock clamps onto the vertical posts of the main frame. Secure them at an appropriate height for your bike tires using the adjustment knobs.
3. **Attach Tire Fixed Brackets:** Install the tire fixed brackets to the base of the frame. These will support the rear tire of your bike.
4. **Install Adjustable Foot Cups:** Screw the adjustable foot cups onto the bottom of the frame. These will provide stability and allow for leveling on the truck bed.
5. **Position Rack in Truck Bed:** Place the assembled rack in the truck bed, aligning it with the front inner side of the bed.
6. **Secure to Truck Bed Rails:** Use the provided mounting brackets to clip the rack onto the truck bed rails. Tighten the bolts firmly to secure the rack. Adjust the brackets to be level with the height of the cargo bed.
7. **Tighten Foot Cups:** Twist the adjustable foot cups until they firmly press against the bottom of the truck bed, providing additional stability and preventing movement. If you have a bed liner, you may need to cut the liner to allow the foot cups to contact the truck bed directly for stable installation.



Figure 2: The rack is designed for easy installation on the truck bed without drilling.



**With Tonneau Cover**



Figure 3: If a bed liner is installed, adjustments may be needed for proper foot cup contact.

## 4. Operating Instructions

Properly securing your bikes is crucial for safe transport.

Video 2: Demonstration of securing a bike to the JOYTUTUS Truck Bed Bike Rack.

1. **Position the Bike:** Roll your bike into the truck bed, aligning the rear wheel with a tire fixed bracket.
2. **Secure Rear Wheel:** Place the rear wheel into the tire fixed bracket. Adjust the tire lock clamp to firmly grip the rear tire. Ensure the clamp is tightened securely.

3. **Prevent Front Wheel Rotation:** Use the provided Velcro strap to bind the front bike wheel to the bike frame. This prevents the wheel from rotating freely during transport.
4. **Check Stability:** Gently shake the bike to ensure it is stable and does not wobble. Make any necessary adjustments to the clamps and straps.



Figure 4: The anti-wobble and anti-rollover system uses a tire lock clamp, tire-fixed bracket, and Velcro straps for maximum security.

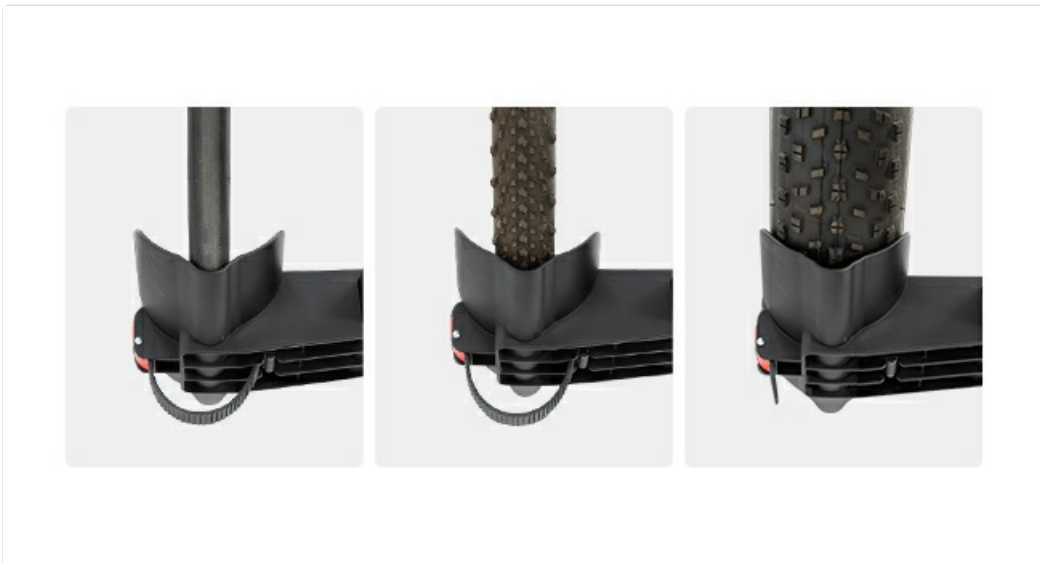


Figure 5: The rack is suitable for tires with a diameter of 21.65"-31.5" and tire width of 0.98"-3.94". Not suitable for e-bike fat tires.

## 5. Maintenance

To ensure the longevity and optimal performance of your JOYTUTUS Truck Bed Bike Rack, follow these simple maintenance guidelines:

- **Cleaning:** Regularly wipe down the rack with a damp cloth to remove dirt, dust, and road grime. For stubborn dirt, use mild soap and water, then rinse thoroughly and dry.
- **Inspection:** Periodically inspect all bolts, nuts, and connection points for tightness. Re-tighten any loose fasteners.
- **Rust Prevention:** The rack is made of iron with a painted surface for rust resistance. If any scratches or chips appear on the paint, touch them up to prevent rust.
- **Storage:** When not in use, the rack can be easily removed and stored. The stowable tire mount bracket



helps save space. Store in a dry place to prevent corrosion.



Figure 6: The rack is easily removable for storage in a home or camping setting, and brackets can be put away to save space.

## 6. Troubleshooting

If you encounter any issues with your bike rack, consider the following:

- **Rack Wobbles:** Ensure all mounting brackets are fully tightened to the truck bed rails. Verify that the adjustable foot cups are firmly pressed against the truck bed floor.
- **Bike Not Secure:** Double-check that the tire lock clamps are tightly gripping the bike tires and that the Velcro strap is properly applied to prevent front wheel rotation. Ensure the bike's weight does not exceed 15kg.
- **Difficulty Installing:** Review the installation video and steps carefully. Ensure all parts are correctly oriented and tightened.

## 7. Specifications

Attribute	Detail
Brand	JOYTUTUS
Model	Mid Size Truck
Item Weight	25.2 pounds (11.45 Kilograms)
Product Dimensions	27.56 x 26.18 x 9.25 inches
Material	Iron (with a painted surface for rust-resistance)
Color	Black
Mounting Type	Power Grip
Bike Capacity	Up to 2 bikes
Max Bike Weight	15kg per bike (recommended)

Tire Diameter Compatibility	21.65"-31.5"
Tire Width Compatibility	0.98"-3.94"



Figure 7: Detailed dimensions of the bike rack for reference.

## 8. Compatibility

This bike rack is designed for mid-size pickup trucks and a range of bicycle types.

- **Compatible Trucks:** Gladiator, Maverick, Ranger, Tacoma, Colorado, Frontier, Canyon, Ridgeline.

- **Bike Tire Compatibility:** Suitable for tires with a diameter of 21.65"-31.5" and tire width of 0.98"-3.94".
- **Important Note:** Not recommended for e-bike fat tires.



Figure 8: The rack is specifically designed for mid-size pickup trucks.

## 9. Safety Warnings

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- **Weight Limit:** This rack is ONLY recommended for bikes under 15kg (approximately 33 lbs) each. Exceeding this limit may compromise safety and product integrity.
- **Secure Installation:** Always ensure the rack is securely installed and all fasteners are tightened before placing bikes.
- **Bike Security:** Always use the tire lock clamps and Velcro straps to secure bikes. Periodically check bike security during long trips.
- **Driving Safely:** Drive cautiously, especially over rough terrain or during sharp turns, as sudden movements can affect bike stability.
- **Clearance:** Be aware of the increased height and width of your vehicle with bikes loaded, especially when passing under low clearances or in tight spaces.

## 10. Warranty and Support

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For any questions, concerns, or warranty claims regarding your JOYTUTUS Truck Bed Bike Rack, please contact JOYTUTUS customer support. Keep your purchase receipt as proof of purchase.